



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,019	02/20/2004	Jozef Johannes Maria Hulshof	NL03 0156US	1640
24738	7590	10/17/2005	EXAMINER	
PHILIPS ELECTRONICS NORTH AMERICA CORPORATION INTELLECTUAL PROPERTY & STANDARDS 1109 MCKAY DRIVE, M/S-41SJ SAN JOSE, CA 95131			LIE, ANGELA M	
			ART UNIT	PAPER NUMBER
			2821	

DATE MAILED: 10/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/784,019

Applicant(s)

HULSHOF ET AL.

Examiner

Angela M. Lie

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 October 2005.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-8 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 20 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☒ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Priority*

1. Acknowledgment is made of applicant's claim for priority under 35 U.S.C. 119(a)-(d) based upon an application filed in Europe on 02/02/2003. A claim for priority under 35 U.S.C. 119(a)-(d) cannot be based on said application, since the United States application was filed more than twelve months thereafter.

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Tripod (US Patent 5194784).

As to claims 1 and 7, Tripod discloses a circuit arrangement for generating a sawtooth current (Figure 2a and Figure 2b) in a cathode ray tube deflection coil (Figure 3, element L1), the circuit arrangement comprising a first a second multiresonant section arranged in series, the cathode ray tube deflection coil (Figure 3, element L1) in series with a trace capacitor (Figure 3, element C1) being comprised in the first section, and the second section comprising an inductor (Figure 3, element Lh), each section providing a common trace period and a common retrace period (as shown in Figure 4a

and Figure 4b) to provide a flyback of the sawtooth current and the circuit arrangement comprising a current control circuit (Figure 3, elements Q1 and Q2) coupled to the inductor (Lh), and being without a second trace capacitor coupled from the inductor (Lh) to ground, the current control circuit controlling the course of the sawtooth current (since the control current circuit is connected to the section 1 and 2, it does control and affect the course of sawtooth current).

As to claim 2, Tripod discloses the circuit arrangement wherein the current control circuit is a current switching circuit (the BJT transistors i.e. Q1 and Q2 are considered switching elements since they possess switching capability, by regulating the voltage supplied to the bases of each of those transistors, their conductivity also varies).

As to claim 3, Tripod discloses the circuit arrangement wherein the current control circuit is coupled between two supply voltages (Vcc, GND) of the circuit arrangement (Figure 3, the current driving circuit (Q1 and Q2) is coupled between B+ (equivalent of Vcc) and ground).

As to claim 4, Tripod discloses a circuit arrangement wherein the current control circuit is arranged to effect a cathode ray tube east-west correction (as shown in figure 3, the current control circuit (Q1 and Q2) are directly connected to East-West control circuit, which means that the current control circuit plays primary role in affecting east-west correction of a CRT).

As to claim 5, Tripod discloses the circuit arrangement wherein the cathode ray tube east-west correction is effected by dynamically adjusting a current switching point in time marking a start of the trace (column 3, lines 59-68 and column 4, lines 1-2,

Art Unit: 2821

depending on the correction (narrowing or widening) the trace and retrace periods are shifted, and as a result at the certain set point trace can either show its maximum or minimum).

As to claim 6, Tripod discloses the circuit arrangement wherein the inductor (Lh) is a coil or a gyrator circuit (column 3, line 30).

As to claim 8, Tripod discloses a television set comprising a display device according to claim 7 (column 1, lines 8-29).

### ***The Prior Art***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- US Patent 5717296 discloses a display device comprising a deflection coil, a trace capacitor, an inductor, and a current control circuitry.
- US Patent 5469029 discloses a deflection apparatus for raster scanned CRT displays.
- US Patent 5357175 discloses a deflection and high voltage circuit.
- US Patent 5981952 discloses a dynamic focusing apparatus for cathode-ray tube device.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela M. Lie whose telephone number is 571-272-8445. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Angela M Lie



WILSON LEE  
PRIMARY EXAMINER